

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 01248542  
PUBLICATION DATE : 04-10-89

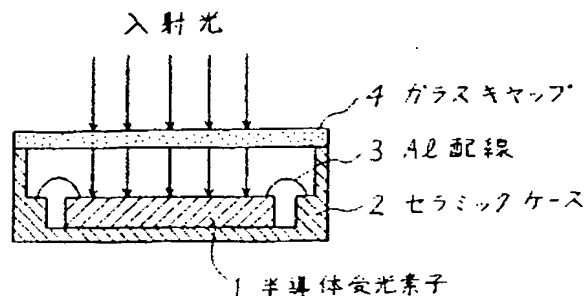
APPLICATION DATE : 29-03-88  
APPLICATION NUMBER : 63077115

APPLICANT : NEC CORP;

INVENTOR : AOYANAGI TAKASHI;

INT.CL. : H01L 23/02 C03C 4/04 G03B 7/08  
G03G 15/04 H01L 23/04 H01L 31/02  
H04N 5/335 // H04N 5/225

TITLE : SOLID-STATE PHOTODIODE



ABSTRACT : PURPOSE: To prevent output from being saturated in spite of incidence of strong light by using glass whose transmission factor changes according to the strength of the incident light for a case front corresponding to a light-receiving surface.

CONSTITUTION: A semiconductor photodiode chip 1 is mounted on a ceramic case 2 and wired by an Al wire 3. For instance, what is called photochromic glass that is the mixture of alkali-alumino-borosilicate glass and silver chloride is used for a glass cap 4 of the case front to become the light-receiving surface. In this way, the photochromic glass is blackened when exposed to strong light so that light incident inside a solid-state photodiode is reduced. Accordingly, when the photodiode is used for a camera or the like, the fixed picture quality can be obtained even when exposed to strong light without attaching a complex function such as an automatic iris to a camera.

COPYRIGHT: (C)1989,JPO&Japio